

LITIGATION SEARCH FOR LINDA SHOLL: US 5,829,516 (09/706,295)  
May 8, 2001

Files searched in QUESTEL-ORBIT:  
Selected cluster : LEGAL  
Databases : LGST, CRXX, PAST, LITA

?us5829516/pn

Term not in index/PN-LITA : US5829516

LGST	1
CRXX	1
PAST	1
LITA	0

?prt max 1-3

1/3 LGST (1/1) - (C) LEGSTAT  
PN - US 5829516 [US5829516]  
AP - US 547196/95 19951024 [1995US-0547196]  
DT - US-P  
ACT - 19951024 US/AE-A  
APPLICATION DATA (PATENT)  
{US 547196/95 19951024 [1995US-0547196]}  
- 19960220 US/AS02  
ASSIGNMENT OF ASSIGNOR'S INTEREST  
AAVID ENGINEERING, INC. ONE KOOL PATH LACONIA, NEW HAMPSHIRE 03247 \*  
**LAVOCHKIN, RONALD B. : 19960131**

- 19980723 US/AS01

CHANGE OF NAME  
AAVID THERMAL PRODUCTS, INC. 143 NORTH MAIN STREET CONCORD, NEW  
HAMPSHIRE 03301 \* AAVID ENGINEERING, INC. : 19971231  
- 19981103 US/A  
PATENT  
UP - 2000-08

2/3 CRXX (1/1) - (C) CLAIMS/RRX  
AN - 3063873  
PN - 5,829,516 A 19981103 [US5829516]  
PA - Aavid Thermal Products Inc  
PT - M (Mechanical)  
ACT - 20001103 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20010424  
REISSUE REQUEST NUMBER: 09/706295  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3743

Reissue Patent Number:

UP - 2001-17  
UACT- 2001-04-24

3/3 PAST (1/1) - (C) PAST  
AN - 200117-002588  
PN - 5829516 A [US5829516]  
DT - A (UTILITY)  
OG - 2001-04-24  
CO - REA  
ACT - REISSUE APPLICATION FILED

SH - REISSUE APPLICATION FILED

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Files searched in LEXIS and NEXIS: All patent files

PATNO IS 5829516

Your search request has found 1 PATENT through Level 1.

LEVEL 1 - 1 OF 1 PATENT

<5,829,516>

<<=2>> GET 1st DRAWING SHEET OF 8

Nov. 3, 1998

Liquid cooled heat sink for cooling electronic components

REISSUE: Reissue Application filed Nov. 3, 2000 (O.G. Apr. 24, 2001) Ex. Gp.:  
3743; Re. S.N. 09/706,295

CORE TERMS: heat, sink, channel, fluid, conduit, tube, cooled, aluminum,  
copper, heat energy...

>>>

File searched: CASES

Your search request has found no CASES.

File searched: JOURNALS

Your search request has found no ITEMS.

File searched: NEWS

Your search request has found no STORIES.

\*\*\*\*\*

File searched in DIALOG:

File 345:Inpadoc/Fam.& Legal Stat 1968-2001/UD=200117  
(c) 2001 EPO

?e pn=us 5829516

1/39/1

DIALOG(R) File 345:Inpadoc/Fam.& Legal Stat  
(c) 2001 EPO. All rts. reserv.

15170519

Basic Patent (No,Kind,Date): WO 9517765 A2 19950629 <No. of Patents: 014>  
Patent Family:

Patent No	Kind	Date	Applic No	Kind	Date
AU 9674696	A1	19970515	AU 9674696	A	19961023
AU 700624	B2	19990107	AU 9674696	A	19961023
CA 2235620	AA	19970501	CA 2235620	A	19961023
EP 858578	A1	19980819	EP 96936884	A	19961023
EP 858578	A4	19990519	EP 96936884	A	19961023
EP 858578	TD	19990520	EP 96936884	A	19961023

ES 2129382 T1 19990616 ES 96936884 EP 19961023  
 JP 11510962 T2 19990921 JP 96516744 A 19961023  
 NO 9801876 A 19980612 NO 981876 A 19980424  
 NO 9801876 A0 19980424 NO 981876 A 19980424  
 US 5829516 A 19981103 US 547196 A 19951024  
 WO 9715801 A1 19970501 WO 96US16990 A 19961023  
 WO 9517765 A2 19950629 WO 94US14415 A 19941215 (BASIC)  
 WO 9517765 A3 19950803 WO 94US14415 A 19941215  
 Priority Data (No,Kind,Date):  
 US 547196 A 19951024  
 WO 96US16990 W 19961023  
 US 166871 B2 19931215  
 US 166871 A 19931215

PATENT FAMILY:

AUSTRALIA (AU)

Patent (No,Kind,Date): AU 9674696 A1 19970515  
 LIQUID COOLED HEAT SINK FOR COOLING ELECTRONIC COMPONENTS (English)  
 Patent Assignee: AAVID ENG INC  
 Author (Inventor): LAVOCHKIN RONALD B  
 Priority (No,Kind,Date): US 547196 A 19951024; WO 96US16990 W  
 19961023  
 Applic (No,Kind,Date): AU 9674696 A 19961023  
 IPC: \* F28F-003/12; F28F-007/00  
 Derwent WPI Acc No: \* G 97-259119  
 Language of Document: English  
 Patent (No,Kind,Date): AU 700624 B2 19990107  
 LIQUID COOLED HEAT SINK FOR COOLING ELECTRONIC COMPONENTS (English)  
 Patent Assignee: AAVID THERMAL PRODUCTS INC  
 Author (Inventor): LAVOCHKIN RONALD B  
 Priority (No,Kind,Date): US 547196 A 19951024; WO 96US16990 W  
 19961023  
 Applic (No,Kind,Date): AU 9674696 A 19961023  
 IPC: \* F28F-003/12; F28F-007/00  
 Derwent WPI Acc No: \* G 97-259119  
 Language of Document: English

CANADA (CA)

Patent (No,Kind,Date): CA 2235620 AA 19970501  
 LIQUID COOLED HEAT SINK FOR COOLING ELECTRONIC COMPONENTS (English;  
 French)  
 Patent Assignee: AAVID THERMAL PRODUCTS INC (US)  
 Author (Inventor): LAVOCHKIN RONALD B (US)  
 Priority (No,Kind,Date): US 547196 A 19951024  
 Applic (No,Kind,Date): CA 2235620 A 19961023  
 IPC: \* F28F-003/12; F28F-001/04; H01L-023/473  
 Derwent WPI Acc No: \* G 97-259119  
 Language of Document: English

CANADA (CA)

Legal Status (No,Type,Date,Code,Text):  
 CA 2235620 P 19980424 CA REFW CORRESPONDS TO PCT  
 APPLICATION (ENTSPRICHT PCT ANMELDUNG)  
 WO 9715801 P

EUROPEAN PATENT OFFICE (EP)

Patent (No,Kind,Date): EP 858578 A1 19980819  
 LIQUID COOLED HEAT SINK FOR COOLING ELECTRONIC COMPONENTS (English;  
 French; German)  
 Patent Assignee: AAVID THERMAL PRODUCTS INC (US)  
 Author (Inventor): LAVOCHKIN RONALD B (US)

Priority (No,Kind,Date): WO 96US16990 W 19961023; US 547196 A  
19951024

Applic (No,Kind,Date): EP 96936884 A 19961023

Designated States: (National) AT; CH; DE; DK; ES; FI; FR; GB; IE; IT;  
LI; NL; SE

IPC: \* F28F-003/12; F28F-007/00

Derwent WPI Acc No: \* G 97-259119

Language of Document: English

Patent (No,Kind,Date): EP 858578 A4 19990519

LIQUID COOLED HEAT SINK FOR COOLING ELECTRONIC COMPONENTS (English;  
French; German)

Patent Assignee: AAVID THERMAL PRODUCTS INC (US)

Author (Inventor): LAVOCHKIN RONALD B (US)

Priority (No,Kind,Date): WO 96US16990 W 19961023; US 547196 A  
19951024

Applic (No,Kind,Date): EP 96936884 A 19961023

Designated States: (National) AT; CH; DE; DK; ES; FI; FR; GB; IE; IT;  
LI; NL; SE

IPC: \* F28F-003/12; F28F-007/00

Derwent WPI Acc No: \* G 97-259119

Language of Document: English

Patent (No,Kind,Date): EP 858578 TD 19990520

MIT FLUESSIGKEIT GEKUEHLTER KUEHLKORPER ZUR KUEHLUNG VON ELEKTRONISCHEN  
BAUTEILEN (German)

Patent Assignee: AAVID THERMAL PRODUCTS INC (US)

Author (Inventor): LAVOCHKIN RONALD (US)

Priority (No,Kind,Date): US 547196 A 19951024; WO 96US16990 W  
19961023

Applic (No,Kind,Date): EP 96936884 A 19961023

IPC: \* F28F-003/12; F28F-007/00

Derwent WPI Acc No: \* G 97-259119

Language of Document: German

#### EUROPEAN PATENT OFFICE (EP)

Legal Status (No,Type,Date,Code,Text):

EP 858578	P	19951024	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) US 547196 A 19951024
EP 858578	P	19961023	EP AA	PCT-APPLICATION (PCT-ANMELDUNG) WO 96US16990 W 19961023
EP 858578	P	19961023	EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 96936884 A 19961023
EP 858578	P	19980819	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)
EP 858578	P	19980819	EP A1	AT CH DE DK ES FI FR GB IE IT LI NL SE PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 858578	P	19980819	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 980520
EP 858578	P	19990210	EP ITCL	IT: TRANSLATION FOR EP CLAIMS FILED (IT: DEPOSITO TRADUZIONE DI RIVENDICAZIONI EUROPEE) JACOBACCI CASETTA & PERANI S.P.A.

EP 858578 P 19990415 EP TCAT AT: TRANSLATION OF PATENT  
CLAIMS FILED (AT: UEBERSETZUNG DER  
PATENTANSPRUECHE EINGEREICHT)  
EP 858578 P 19990416 EP EL FR: TRANSLATION OF CLAIMS  
FILED (FR: TRADUCTION DES REVENDICATIONS A  
ETE REMISE)

EP 858578 P 19990519 EP AK DESIGNATED CONTRACTING  
STATES MENTIONED IN A SUPPLEMENTARY SEARCH  
REPORT: (IN EINEM ERGAENZENDEN  
RECHERCHENBERICHT BENANNT

VERTRAGSSTAATEN)

AT CH DE DK ES FI FR GB IE IT LI NL SE

EP 858578 P 19990519 EP A4 SUPPLEMENTARY SEARCH REPORT  
(ERGAENZENDER RECHERCHENBERICHT)  
19990401  
EP 858578 P 19990520 EP DET DE: TRANSLATION OF PATENT  
CLAIMS (DE: UEBERSETZUNG DER  
PATENTANSPRUECHE)  
EP 858578 P 19990601 EP TCNL NL: TRANSLATION OF PATENT  
CLAIMS FILED (NL: UEBERSETZUNG DER  
PATENTANSPRUECHE EINGEREICHT)  
EP 858578 P 19990616 ES BA2A/REG PROVISIONAL PROTECTION  
(PROTECCION PROVISIONAL)  
2129382T1

SPAIN (ES)

Patent (No,Kind,Date): ES 2129382 T1 19990616  
DISIPADOR TERMICO POR LIQUIDO REFRIGERADO PARA REFRIGERAR PIEZAS  
ELECTRONICAS. (Spanish)  
Patent Assignee: AAVID THERMAL PRODUCTS INC  
Author (Inventor): LAVOCHKIN RONALD B  
Priority (No,Kind,Date): US 547196 A 19951024  
Applic (No,Kind,Date): ES 96936884 EP 19961023  
Addnl Info: 858578 19980819 EP patent valid in AT  
IPC: \* F28F-003/12; F28F-007/00  
Derwent WPI Acc No: \* G 97-259119  
Language of Document: Spanish

SPAIN (ES)

Legal Status (No,Type,Date,Code,Text):  
ES 2129382 P 19990616 ES BA2A PROVISIONAL PROTECTION  
(PROTECCION PROVISIONAL)  
858578

JAPAN (JP)

Patent (No,Kind,Date): JP 11510962 T2 19990921  
Priority (No,Kind,Date): WO 96US16990 W 19961023; US 547196 A  
19951024  
Applic (No,Kind,Date): JP 96516744 A 19961023  
IPC: \* H01L-023/473; H05K-007/20  
Derwent WPI Acc No: \* G 97-259119  
Language of Document: Japanese

NORWAY (NO)

Patent (No,Kind,Date): NO 9801876 A 19980612  
V SKEKJ LING AV ELEKTRONISKE KOMPONENTER (Norwegian)  
Patent Assignee: AAVID THERMAL PRODUCTS INC (US)  
Author (Inventor): LAVOCHKIN RONALD B (US)

Priority (No,Kind,Date): US 547196 A 19951024; WO 96US16990 W  
 19961023  
 Applic (No,Kind,Date): NO 981876 A 19980424  
 IPC: \* F28F-003/12; F28F-007/00  
 Derwent WPI Acc No: \* G 97-259119  
 Language of Document: Norwegian  
 Patent (No,Kind,Date): NO 9801876 A0 19980424  
 V SKEKJ LING AV ELEKTRONISKE KOMPONENTER (Norwegian)  
 Patent Assignee: AAVID THERMAL PRODUCTS INC (US)  
 Author (Inventor): LAVOCHKIN RONALD B (US)  
 Priority (No,Kind,Date): US 547196 A 19951024; WO 96US16990 W  
 19961023  
 Applic (No,Kind,Date): NO 981876 A 19980424  
 IPC: \* F28F  
 Derwent WPI Acc No: \* G 97-259119  
 Language of Document: Norwegian

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5829516 A 19981103  
 LIQUID COOLED HEAT SINK FOR COOLING ELECTRONIC COMPONENTS (English)  
 Patent Assignee: AAVID THERMAL PRODUCTS INC (US)  
 Author (Inventor): LAVOCHKIN RONALD B (US)  
 Priority (No,Kind,Date): US 547196 A 19951024; US 166871 B2  
 19931215  
 Applic (No,Kind,Date): US 547196 A 19951024  
 National Class: \* 165080400; 165171000; 165185000; 029890038;  
 257714000; 361699000  
 IPC: \* F28F-007/00; F28F-001/32  
 Derwent WPI Acc No: \* G 95-246133; G 97-259119  
 Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):  
 US 5829516 P 19931215 US AA PRIORITY  
 US 166871 B2 19931215  
 US 5829516 P 19951024 US AE APPLICATION DATA (PATENT)  
 (APPL. DATA (PATENT))  
 US 547196 A 19951024  
 US 5829516 P 19960220 US AS02 ASSIGNMENT OF ASSIGNOR'S  
 INTEREST  
 AAVID ENGINEERING, INC. ONE KOOL PATH  
 LACONIA, NEW HAMPSHIRE 03247 ; LAVOCHKIN,  
 RONALD B. : 19960131  
 US 5829516 P 19980723 US AS01 CHANGE OF NAME  
 AAVID THERMAL PRODUCTS, INC. 143 NORTH MAIN  
 STREET CONCORD, NEW HAMPSHIRE 03301 ; AAVID  
 ENGINEERING, INC. : 19971231  
 US 5829516 P 19981103 US A PATENT

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Patent (No,Kind,Date): WO 9715801 A1 19970501  
 LIQUID COOLED HEAT SINK FOR COOLING ELECTRONIC COMPONENTS (English)  
 Patent Assignee: AAVID ENG INC (US)  
 Author (Inventor): LAVOCHKIN RONALD B  
 Priority (No,Kind,Date): US 547196 A 19951024  
 Applic (No,Kind,Date): WO 96US16990 A 19961023  
 Designated States: (National) AU; CA; CN; IL; JP; KR; MX; NO; SG  
 (Regional) AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL  
 ; PT; SE  
 Filing Details: WO 100000 With international search report  
 IPC: \* F28F-003/12; F28F-007/00

Derwent WPI Acc No: \* G 97-259119; G 97-259119  
Language of Document: English  
Patent (No,Kind,Date): WO 9517765 A2 19950629  
LIQUID COOLED HEAT SINK FOR COOLING ELECTRONIC COMPONENTS (English)  
Patent Assignee: AAVID ENG INC (US)  
Author (Inventor): LAVOCHKIN RONALD  
Priority (No,Kind,Date): US 166871 A 19931215  
Applic (No,Kind,Date): WO 94US14415 A 19941215  
Designated States: (Regional) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE  
; IT; LU; MC; NL; PT; SE

**Filing Details: WO 300000 Without international search report and to**

be republished upon receipt of that report

IPC: \* H01L-023/473

Derwent WPI Acc No: \* G 95-246133; G 95-246133

Language of Document: English

Patent (No,Kind,Date): WO 9517765 A3 19950803

LIQUID COOLED HEAT SINK FOR COOLING ELECTRONIC COMPONENTS (English)

Patent Assignee: AAVID ENG INC (US)

Author (Inventor): LAVOCHKIN RONALD

Priority (No,Kind,Date): US 166871 A 19931215

Applic (No,Kind,Date): WO 94US14415 A 19941215

Designated States: (Regional) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE

; IT; LU; MC; NL; PT; SE

**Filing Details: WO 300000 Without international search report and to**

be republished upon receipt of that report

IPC: \* H01L

Derwent WPI Acc No: \* G 95-246133

Language of Document: English

**WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)**

Legal Status (No,Type,Date,Code,Text):

WO 9517765	P	19931215	WO AA	PRIORITY (PATENT)
			US 166871 A	19931215
WO 9517765	P	19941215	WO AE	APPLICATION DATA (APPL.
			DATA)	
			WO 94US14415 A	19941215
WO 9517765	P	19950629	WO AL	DESIGNATED COUNTRIES FOR
				REGIONAL PATENTS CITED IN A PUBLISHED
				APPLICATION WITHOUT SEARCH REPORT
				(DESIGNATED COUNTRIES FOR REGIONAL PATENTS
				CITED IN A PUBLISHED APPL. WITHOUT SEARCH
				REPORT)
				AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT
				SE
WO 9517765	P	19950629	WO A2	PUBLICATION OF THE
				INTERNATIONAL APPLICATION WITHOUT THE
				INTERNATIONAL SEARCH REPORT (PUB. OF THE
				INTERNATIONAL APPL. WITHOUT THE INTERNATIONAL
				SEARCH REPORT)
WO 9517765	P	19950803	WO AL	DESIGNATED COUNTRIES FOR
				REGIONAL PATENTS CITED IN A SUBSEQUENTLY
				PUBLISHED SEARCH REPORT
				AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT
				SE
WO 9517765	P	19950803	WO A3	SUBSEQUENT PUBLICATION OF
				THE INTERNATIONAL SEARCH REPORT (SUBSEQUENT
				PUB. OF THE INTERNATIONAL SEARCH REPORT)
WO 9517765	P	19950920	WO 121	EP: PCT APP. ART. 158 (1)
				(EP: PCT ANM. ART. 158 (1))

WO 9517765 P 19951005 WO DFPE REQUEST FOR PRELIMINARY  
EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH  
MONTH FROM PRIORITY DATE

WO 9517765 P 19970326 WO 122 EP: PCT APP. NOT ENT. EUROP.  
PHASE (EP: PCT ANM. NICHT IN EUROP. PHASE  
EING.)

WO 9715801 P 19951024 WO AA PRIORITY (PATENT)  
US 547196 A 19951024

WO 9715801 P 19961023 WO AE APPLICATION DATA (APPL.  
DATA)  
WO 96US16990 A 19961023

WO 9715801 P 19970501 WO AK DESIGNATED STATES CITED IN A  
PUBLISHED APPLICATION WITH SEARCH REPORT  
(DESIGNATED STATES CITED IN A PUBLISHED APPL.  
WITH SEARCH REPORT)

**AU CA CN IL JP KR MX NO SG**

WO 9715801 P 19970501 WO AL DESIGNATED COUNTRIES FOR  
REGIONAL PATENTS CITED IN A PUBLISHED  
APPLICATION WITH SEARCH REPORT (DESIGNATED  
COUNTRIES FOR REGIONAL PATENTS CITED IN A  
PUBLISHED APPL. WITH SEARCH REPORT)  
AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL  
PT SE

WO 9715801 P 19970501 WO A1 PUBLICATION OF THE  
INTERNATIONAL APPLICATION WITH THE  
INTERNATIONAL SEARCH REPORT (PUB. OF THE  
INTERNATIONAL APPL. WITH THE INTERNATIONAL  
SEARCH REPORT)

WO 9715801 P 19970820 WO 121 EP: PCT APP. ART. 158 (1)  
(EP: PCT ANM. ART. 158 (1))

WO 9715801 P 19970925 WO DFPE REQUEST FOR PRELIMINARY  
EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH  
MONTH FROM PRIORITY DATE

WO 9715801 P 19980424 WO ENP ENTRY INTO THE NATIONAL  
PHASE IN:  
CA 2235620 AA

WO 9715801 P 19980424 WO ENP ENTRY INTO THE NATIONAL  
PHASE IN:  
JP 97516744 A

END LITIGATION SEARCH US 5,829,516

\*\*\*\*\*



Examiner:

When ordering the litigation search for your reexam or reissue, I have also asked EIC3700 to do a PLUS search for your case since they can do the search from the patent and do not need the file.

I have attached a copy of "How to Use Your PLUS Results" and would like for you to take a look at the references it has found and let me know if you find this useful.

If you would like some help with this, feel free to contact me or the Group ITRP, Laura Hjerpe in PK1 5A02.

Thanks,

Linda Sholl  
Special Program Examiner  
PK1-5D24  
308-1288

---

Did you use any references from the PLUS search in your case? NO

Did you find the pertinent classes and subclasses helpful? NO

Even if you did not find anything for your case, do you think it would be helpful to continue having PLUS searches done? YES

Any other comments:

# How to Use Your PLUS Results:

## For Examiners

By David L. Trafton – Lockheed Martin  
November 23, 1999

### 1. What is PLUS?

The Patent Linguistics Utility System utilizes a component of the BRS search system at the PTO. It accepts a word frequency list of the words in a patent application and performs a search for the most closely related patents. This type of search is known as "QBE", or Query by Example. A patent application or any other disclosure, including a patent, provides the example that is searched for.

There are considerable advantages of PLUS searching:

- You do not have to expend undue effort preparing the searches. A search can be performed before you even review the application – a true "PLUS".
- The results tend to be quite good. The system appears to perform somewhat better than the MAYA search system previously available from Electronic Data Systems.
- PLUS searches return a wealth of classification information. By looking at the provided summary of classifications for found patents, you can develop a useful search strategy for manual or other automated searching.
- The patent numbers returned to you are provided in a text file in a format ready to copy and paste into a WEST or EAST search window for exceptionally easy review.

There are some limitations of this PLUS system:

- You have to deliver your application file to the PLUS search specialist to be scanned and submitted for searching.
- Words are searched for out of context.
- Not every word submitted will be searched for. There is a stop word list of nearly 100 words that is used by the system to remove those words from the search. The process additionally selects only up to 128 of the remaining words to use in its search.
- Additional word limitations are imposed by the present interface. If you want to search for words having fewer than 2 or more than 50 characters in them, or words with numbers in them, you must designate them as "Manual Keywords" on your order form.
- Patents containing more different words being sought are given a higher "rank", whereas the total numbers of each search word appearing in a patent have a smaller effect on ranking. It is possible that very large patents will rank higher than an actual patent being searched if the word list is very small and the word repetitions in the patents are very frequent.
- Only words appearing in the Title, Abstract, Background and Brief Summary of an application are used in formulating search queries. This has been found to yield the best results.
- Currently, searches take about 20 minutes to perform on the PTO computer. About 20 searches per hour can be performed during hours of low usage of the computer for other purposes. Search times are expected to drop substantially as equipment and processes are upgraded.

### 2. How and when do I get my search results?

Our goal is to provide search results the next working day. This depends upon system performance and search backlog. The results will be contained in 6 text files that will be provided on a diskette returned with the application.

### 3. How do I use my PLUS search results?

- Insert the diskette into your workstation's a: drive and view the files with Notepad or other word processor.
- The `nnnnnnnn_WDS.txt` file contains the word frequency list submitted to BRS for searching.
- The `nnnnnnnn_QUAL.txt` file is provided because it shows the "closeness factor" supplied by PLUS for each patent. You will probably not need to use this file.
- The file named `nnnnnnnn_LIST.txt` contains a list of the patent numbers in their original ranking as provided by PLUS. You should print this file because it may be useful for notations and for utilizing the ranking in your evaluation. Other PTO search systems return patents ranked in numerical order – not necessarily order of relevance. This document may serve as a search record.
- Print out the file named `nnnnnnnn_CLS.txt`. This document can serve as a guide to further searching by indicating the classes and subclasses most pertinent to your application disclosure.
- Transfer patent numbers from PLUS into a WEST or EAST search window as follows:

#### Using WEST

- (a) Start up WEST and go to the Edit User Profile screen. Use the following settings:

Number of Documents to be Displayed	50
Default Database	US Patents Full-Text Database
Default Printer	(whatever)
Search Plurals	OFF
Relevance Ranking	OFF
Search History Order	Descending
Show Search Details	OFF
Default Search Operator	OR
Display Format	US Patents Full-Text Database:
Review (REV)	

- (b) Click on Save.
- (c) Select Freeform Search.
- (d) Open the file named `nnnnnnnn_WEST.txt` in Notepad. This file contains the returned patents in 50-patent search query format for WEST. WEST can accept up to 100 patent numbers in a search query, but remember that the ranking is lost, and the first 50 will be closer than the next 50, and so forth. Copy the first group of 50 numbers including parentheses and the ".wku." onto the clipboard by highlighting it with the mouse and pressing Ctrl-C.
- (e) Paste your query copied from Notepad into the Term window by pressing Ctrl-V.
- (f) For a neat summary of each patent, the REV display format has been found to be very convenient. You can type in any format you choose, but be wary of requesting a full display of many patents because downloading them all takes a long time and the browser might fail if more than 50 large patents are requested at once.
- (g) Select Search.
- (h) Click on the resulting L# link.
- (i) When the patent data are displayed, you may jump from one to the next by using Netscape's Edit/Find in page command and typing in "Document ID" then selecting Find next.
- (j) To take a detailed look at any patent that looks interesting, just click on the Full button at the bottom of the review text.

The following screens illustrate some key points in using WEST with your PLUS results.

**WEST**

**Main Menu**

■ **WEST Database Functions**

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■ **Classification Infobase Resources**

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■ **Database Support Functions**

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Help

FAQ

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Logout

WEST Main Screen

**WEST**

**Freeform Search**

Database:

05764889 05737582 05758314 05737421

05774551 05768379 05742756 05736932

05745754 05752246) .wku.

Term:

Display  Documents in **Display Format:**

Generate: ☐ Hit List ☒ Hit Count ☐ Image

Search

Clear

Help

Logout

Main Menu

Show S Numbers

Edit S Numbers

WEST Search Input Screen

## WEST

### Edit WEST User Profile for User: *west08*

Number of Documents to be Displayed	<input type="text" value="50"/>
Default Database	<input type="text" value="US Patents Full-Text Database"/>
Default Printer	<input type="text" value="ap2_1100_gbad__CSC Test Bed"/>
Search Plurals	<input type="text" value="OFF"/>
Relevance Ranking	<input type="text" value="OFF"/>
Search History Order	<input type="text" value="Descending"/>
Show Search Details	<input type="text" value="OFF"/>
Default Search Operator	<input type="text" value="OR"/>

DB Name	Display Format	Search Limit
US Patents Full-Text Database	<input type="text" value="Review (REV)"/>	<input type="text" value="[NONE]"/>
JPO Abstracts Database	<input type="text" value="Title (TI)"/>	<input type="text" value="[NONE]"/>
EPO Abstracts Database	<input type="text" value="Title (TI)"/>	<input type="text" value="[NONE]"/>
IBM Technical Disclosure Bulletins	<input type="text" value="Title (TI)"/>	<input type="text" value="[NONE]"/>
Derwent World Patents Index	<input type="text" value="Title (TI)"/>	<input type="text" value="[NONE]"/>
All Foreign Patent Abstracts Databases (JPAB + EPAB + DWPI)	<input type="text" value="Title (TI)"/>	<input type="text" value="[NONE]"/>
All Databases	<input type="text" value="Review (REV)"/>	<input type="text" value=""/>

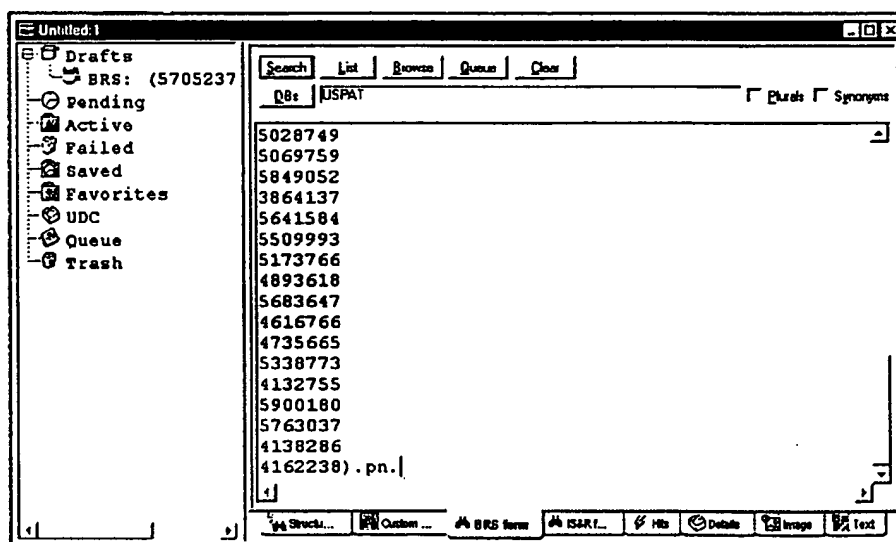
<input type="button" value="Help"/>	<input type="button" value="Cancel"/>	<input type="button" value="Save"/>
<input type="button" value="Logout"/>		

WEST Profile Screen

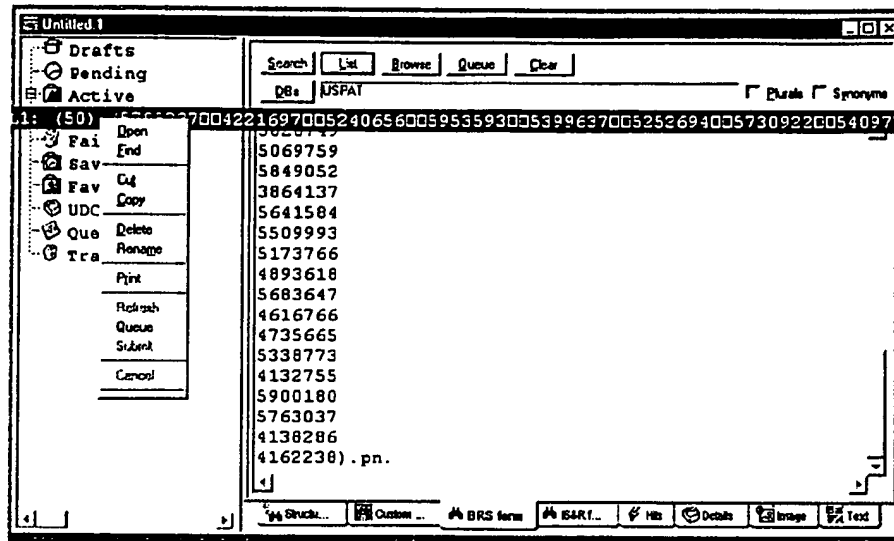
### Using EAST

- (a) After starting the EAST application, select the **BRS** form from the tabs at the bottom of the forms window. This form will accept up to 50 patent numbers at a time.
- (b) Open the file named `nnnnnnnnn_EAST.txt` in Notepad. This file contains the patent numbers formatted into groups of not more than 50 and including the search command syntax. Select a block of patent numbers including the "(" at the beginning and the ").pn." at the end of the block. Paste the selection into the form window by right-clicking the mouse on the **BRS** window and selecting **Paste** from the menu.
- (c) Click the mouse on **List**. A search for the numbers will show under the **Pending** label in the left column in the EAST window. When the search is done, an **L** number will appear under the **Active** label in the left column.
- (d) Right-click the mouse on the **L #** returned and click **Open**.
- (e) You might arrange a convenient window arrangement that allows you to see the list of patent numbers along with the text and/or image of each patent. Then, you can select the patent from the list and view it in the text and image windows. To arrange this, select **Window** from the menu, then **Browser Layout Option**. Choose the window arrangement that suits you best. Then, click on a window and from the **View** menu choose **Details View**. This will display the patent number list in that window. Select another window for text, and from the **View** menu choose **Text View**. For image display in a selected window, from the **View** menu choose **Image View**.

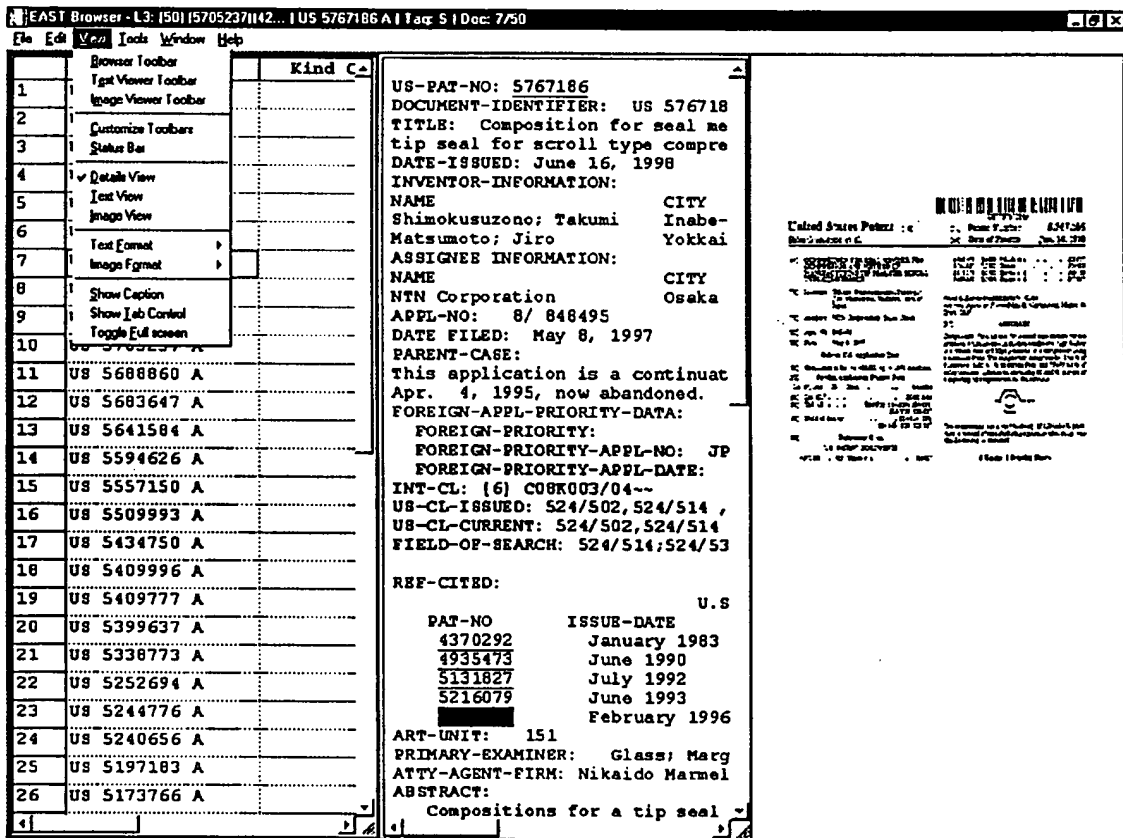
You will probably develop ways of using EAST that are more efficient for your tastes, but the described method should get you started. The following screens illustrate some of the key points.



EAST BRS Format P/N Entry Screen



Select the L# to View



Choosing Display Content for A Window